Figure V-IV: EDI/TAG Normal Volume Performance Test Scope

3.5 Test Activities

1. Submit EDI/TAG test case transactions according to schedule
2. Log transaction identifier(s) and submission date/time stamp
3. Receive transaction responses
4. Log transaction identifier(s) and receipt date/time stamp
5. Format transaction response for comparator evaluation
6. Match transaction response to submitted transaction
7. Verify that transaction response contains expected results
8. Flag any exceptions or mismatched responses (if none, go to step 17)
9. Review exceptions to identify root cause
10. Report any Severity 1, 2, and 3 test exceptions
11. Troubleshoot exceptions and determine resolution procedures
12. Resolve exceptions in accordance with exception resolution process
13. Determine if test cycle should continue (if no, skip to step 18)
14. Take corrective actions
15. Increment transaction version numbers and resubmit transaction
16. Log resubmission transaction identifier(s) and date/time stamp (go to step 3)
17. Review comparator results and identify pending/open transaction
18. Generate test results reports
19. Calculate and report performance metrics

3.6 Exit Criteria

- Global exit criteria satisfied
- Disaggregated performance metrics report completed
- Expected versus actual results report completed
- Exceptions report completed
- Exceptions report due to documentation delivered to Document Review Test
- Post-mortem analysis conducted
- Test cycle results summary report created
- Results summary and formatted data delivered to KPMG
- Disaggregated performance metrics report and raw electronic data delivered to O&P Performance Results Comparison Test

4.0 O&P-4: EDI/TAG Peak Volume Performance Test

4.1 Description

The EDI/TAG Peak Volume Performance Test will evaluate the behavior and performance of both the EDI and TAG interfaces under "peak" YE01 projected transaction load conditions simultaneously. This test cycle will be executed by TTGs and will utilize a more focused sample of representative pre-ordering (TAG only) and resale and UNE service request test cases, including error conditions.

The peak volume forecast will be developed using the peak hourly load identified for the EDI/TAG Normal Volume Performance Test and replicating those transaction volumes across an 8-hour period. Alternatively, if BellSouth's normal daily usage patterns are relatively flat, a multiple may be applied to the peak hourly load and the result replicated across an 8-hour day. The methodology and calculations are discussed further in Appendix C: Volume Analysis.

The peak volume test will be executed during two 8-hour periods. LSR loads will again be distributed geographically across multiple Georgia COs to more accurately reflect a realistic peak load operating environment. BellSouth will ensure that customer test accounts are established and configured accordingly.

The test scenarios to be used in the EDI/TAG Peak Volume Performance Test are described in Appendix B-2: Resale Ordering Scenarios and Appendix B-3: UNE Ordering Scenarios.

The test cycle manager will coordinate efforts with BellSouth to ensure that BellSouth's performance measurements system is prepared to track test transaction performance prior to beginning the Test. Test cycle performance data will also be collected through test management tools and delivered to the O&P Performance Results Comparison Test (O&P-7) and KPMG as inputs to their respective test execution functions.

4.2 Objective

The objective of the EDI/TAG Peak Volume Performance Test is to measure the performance of the EDI and TAG interfaces under peak projected YE01 transaction loads.

4.3 Entrance Criteria

- Global entrance criteria satisfied
- EDI and TAG documentation obtained
- O&P-1: EDI Normal Volume Performance Test and O&P-2: TAG Normal Volume Performance Test successfully completed
- Test transaction tracking strategy identified
- BellSouth performance measurements tracking system prepared to track transactions
- Certification testing for TTGs completed

- Test scenarios selected (refer to Appendix B-3)
- Test cases selected
- BellSouth test bed customer account data loaded
- Expected results files completed
- Integrated test management tools installed and configured
- Test scripts (transaction content) completed and loaded
- Test case execution scheduled
- Test cycle execution checklist created
- Test logs created and results reporting template completed
- Account and security access to EDI and TAG established
- EDI and TAG connectivity established
- Test execution team staffed, scheduled, and trained

4.4 Test Scope

The scope will address the following sub-processes and functions to evaluate EDI/TAG peak performance.

Test Objective: Volume & Scalability, Performance, and Interface **Test Technique: Transaction Processing**	
Sub-Process	***Function***
Submit Orders in Projected Peak Volumes	Create order transaction(s)
	Send order in LSR format
	Receive acknowledgment
	Receive FOC or error/rejection notification
	Send transaction response

Figure V-V: EDI/TAG Peak Volume Performance Test Scope

4.5 Test Activities

1. Submit EDI/TAG test case transactions according to schedule
2. Log transaction identifier(s) and submission date/time stamp
3. Receive transaction responses
4. Log transaction identifier(s) and receipt date/time stamp
5. Format transaction response for comparator evaluation
6. Match transaction response to submitted transaction
7. Verify that transaction response contains expected results
8. Flag any exceptions or mismatched responses (if none, go to step 17)

9. Review exceptions to identify root cause
10. Report any Severity 1, 2, and 3 test exceptions
11. Troubleshoot exceptions and determine resolution procedures
12. Resolve exceptions in accordance with exceptions resolution process
13. Determine if test cycle should continue (if no, skip to step 18)
14. Take corrective actions
15. Increment transaction version numbers and resubmit transaction
16. Log resubmission transaction identifier(s) and date/time stamp (go to step 3)
17. Review comparator results and identify pending/open transactions
18. Determine next steps in exceptions resolution process
19. Generate test results reports
20. Calculate and report performance metrics

4.6 Exit Criteria

- Global exit criteria satisfied
- Disaggregated performance metrics report completed
- Expected versus actual results report completed
- Exceptions report completed
- Exceptions report due to documentation delivered to Document Review Test
- Post-mortem analysis for test cycle conducted
- Test cycle results summary report created
- Results summary and formatted data delivered to KPMG
- Disaggregated performance metrics report and raw electronic data delivered to O&P Performance Results Comparison Test

5.0 O&P-5: Provisioning Verification Test

5.1 Description

The Provisioning Verification Test will evaluate BellSouth's ability to accurately and expeditiously complete the provisioning of service requests placed in both the O&P-1: EDI Functional Test and O&P-2: TAG Functional Test. This analysis will focus on electronically ordered UNEs and involves the physical inspection of BellSouth's provisioning process. In order to test the full functionality of BellSouth's provisioning process, orders will be supplemented and canceled, require outside dispatch, and address customer coordination.

The test scenarios to be used in the Provisioning Verification Test are described in Appendix B-3: UNE Ordering Scenarios.

Test cycle performance data will be collected by an on-site observer and those results will be delivered to the O&P Performance Results Comparison Test (O&P-7) and KPMG as inputs to their respective test execution functions.

5.2 Objective

The objective of the Provisioning Evaluation Test is to evaluate BellSouth's performance in the provisioning of UNEs as described in the Georgia Order.

5.3 Entrance Criteria

- Global entrance criteria satisfied
- O&P-1, EDI Functional Test and O&P-2, TAG Functional Test have been succesfully executed
- LEO Implementation Guides (Volumes 1-4), Local Number Portability Ordering Guide, TAG API Programmers Guide, and Georgia SGAT obtained
- Test transaction tracking strategy identified
- BellSouth performance measurements tracking system prepared to track transactions
- Two carrier OCNs obtained for provisioning
- Test scenarios selected (refer to Appendix B-3)
- Test transaction tracking data elements identified
- Expected result files completed
- BellSouth test bed prepared and customer account data loaded
- BellSouth test facilities available
- Test management tools installed and fully configured
- Test scripts (transaction content) completed and loaded
- Test case execution scheduled
- Detailed test cycle execution checklist created
- Test logs created and results reporting templates completed
- Test execution team identified, trained, and scheduled

5.4 Test Scope

The scope will address the following sub-processes and functions to evaluate UNE provisioning.

Test Objective: Functionality, Performance
Test Technique: Transaction Processing, Inspection

Sub-Process	*Function*
BellSouth provisioned service	Receive design documents
	Establish provisioning date and time
	Perform joint provisioning activities
	Perform joint testing activities
	Turn up service

Figure V-VI: Provisioning Verification Test Scope

5.5 Test Activities

1. Analyze FOC for provisioning information
2. Log all provisioning notifications
3. Verify provisioning appointment date/time
4. Meet BellSouth provisioners for appointment
5. Perform joint provisioning activities
6. Log interactions in provisioning checklist
7. Perform testing on provisioned services
8. Log activity completion date/time for provisioning event
9. Record results in appropriate provisioning log
10. Flag any exceptions or mismatched responses
11. Review any exceptions to identify source
12. Report any Severity 1, 2, and 3 test exceptions
13. Generate test results reports
14. Calculate and report performance metrics

5.6 Exit Criteria

- Disaggregated performance metrics report and raw electronic data delivered to O&P Performance Results Comparison Test
- Disaggregated performance metrics report completed
- Expected versus actual results report completed
- Exceptions count report completed
- Post-mortem analysis for test cycle conducted
- Test cycle summary report created
- Results summary and formatted data delivered to KPMG
- Disaggregated performance metrics report delivered to O&P Performance Results Comparison Test

6.0 O&P-6: Order Processing Systems Scalability Evaluation

6.1 Description

The Order Processing Sytems Scalability Evaluation is a review of the technical architecture and direct maintenance and support processes for the cluster of ordering applications. The technical review will focus on the modularity of the technology architecture, data architecture, and application architecture to assess scalability. The operational review will focus on the work capacity of existing support resources and the number of resources required to maintain the future technology architecture.

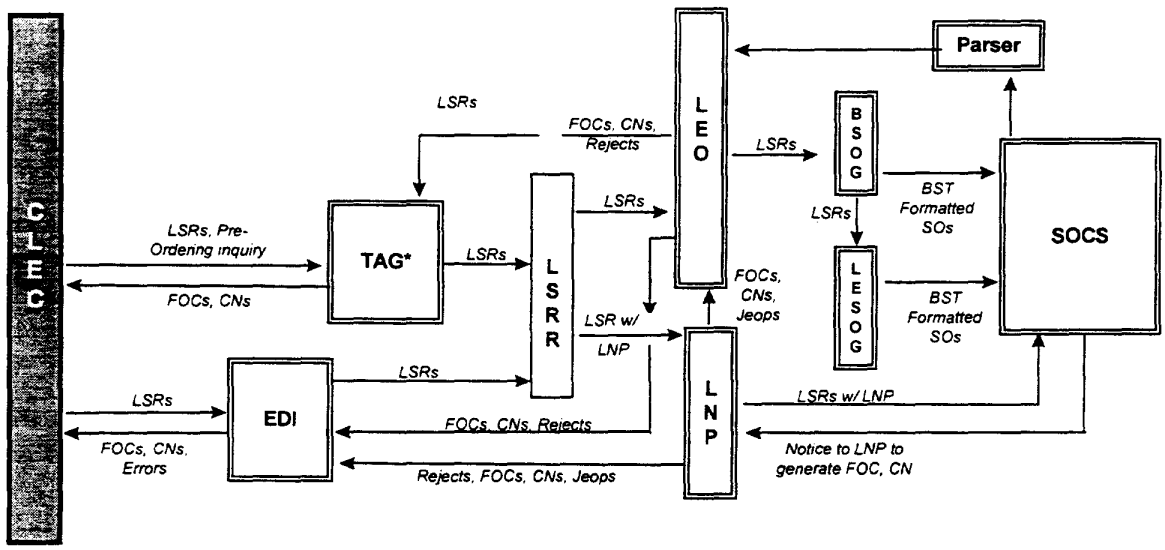

Figure VI-VII: BellSouth's Ordering Network Elements

6.2 Objective

The objective of the Order Processing Systems Scalability Evaluation is to determine the degree to which these applications and associated maintenance and support workforce can scale to accommodate projected YE01 transaction volumes and CLEC users.

6.3 Entrance Criteria

- EDI/TAG technical documentation identified and obtained
  - Subsystem design
  - Software architecture
  - Technology architecture
  - Data model
  - Data communication architecture
- Performance metrics defined and approved

- Scalability evaluation matrix completed
- Interview guide/questionnaire completed
- Technical resources identified and scheduled for interviews

6.4 Test Scope

The scope will address the following sub-processes and functions to evaluate EDI/TAG scalability.

Test Objective: Volume & Scalability **Test Technique: Inspection and Interview**	
Sub-Process	***Function***
EDI/TAG Scalability	Technical architecture modularity
	Operations support resources work capacity

Figure V-VIII: Order Processing Systems Scalability Evaluation Test Scope

6.5 Test Activities

1. Identify all system documentation available for review
2. Conduct structured review of technical documentation
3. Conduct interviews with the key development and support personnel
4. Document findings
5. Report any Severity 1, 2, and 3 test exceptions

6.6 Exit Criteria

- Scalability evaluation matrix completed
- Interviews complete and summarized
- Summary findings document completed
- Technical evaluations completed
- Operational support evaluations completed
- Results summary and reports delivered to KPMG

7.0 O&P-7: O&P Performance Results Comparison

7.1 Description

The O&P Performance Results Comparison is a comparative analysis of O&P performance results collected by the Test through test management tools and those collected by BellSouth's performance measurements system. The source results collected from O&P-1: EDI Functional Test, O&P-2: TAG Functional Test, O&P-3: EDI/TAG Normal Volume Performance Test, and O&P-4: EDI/TAG Peak Volume Performance Test will be compared to BellSouth's performance measurement systems, variances and trends will be identified, and disparities will be analyzed for significance.

7.2 Objective

The objective of the O&P Performance Results Comparison is to assess the accuracy of BellSouth's wholesale performance metrics results using test transactions.

7.3 Entrance Criteria

- Target O&P performance metrics identified
- Lowest level of BellSouth O&P performance measure tracking identified
- Keys required for BellSouth to separate test transactions identified
- EDI/TAG Functional Tests completed with disaggregated performance metrics reports (including raw data in electronic form)
- EDI/TAG Normal and Peak Volume Performance Tests completed with disaggregated performance metrics reports (including raw data in electronic form)
- Performance Metrics defined and approved
- Exceptions reporting process defined
- Exceptions reporting template created

7.4 Test Scope

The scope will address the following sub-processes and functions to compare performance results.

Test Objective: Performance **Test Technique: Performance Comparison**	
Sub-Process	***Function***
Percent Rejected Service Requests	Mechanized
Reject Interval	Mechanized
Firm Order Confirmation Timeliness	Mechanized

Sub-Process	*Function*
Percentage of Subsequent Reports	UNE Designed
	UNE Non-Designed
Average Completion Interval	UNE Dispatch
	UNE Non-Dispatch
Order Completion Interval Distribution	UNE Dispatch
	UNE Non-Dispatch
Held Order Interval Distribution and Mean Interval	UNE Dispatch
	UNE Non-Dispatch
Average Jeopardy Notice Interval	UNE Dispatch
	UNE Non-Dispatch
Percentage of Orders Given Jeopardy Notices	UNE Dispatch
	UNE Non-Dispatch
Percent Provisioning Troubles within 30 Days	UNE Dispatch
	UNE Non-Dispatch
Percent Service Order Accuracy	UNE Dispatch
	UNE Non-Dispatch
Average Completion Notice Interval	UNE Dispatch
	UNE Non-Dispatch

Figure V-IX: O&P Performance Results Comparison Test Scope

7.5 Test Activities

1. Acquire and format BellSouth and test management tools performance data files
2. Compare disaggregated BellSouth performance results with test management tools performance results
3. Flag any exceptions in results comparison

4. Log exceptions in exceptions reporting template
5. Identify and quantify root cause for variances in results
6. Troubleshoot exceptions and determine resolution procedure
7. Resolve exceptions in accordance with the exceptions resolution process
8. Determine if test cycle should continue
9. Take corrective action and continue the test cycle
10. Generate comparative analysis results reports
11. Report any Severity 1, 2, and 3 test exceptions

7.6 Exit Criteria

- Comparative analysis report completed
- Measure variance findings documented
- Test cycle results summary report created
- Results summary and reports delivered to KPMG

8.0 O&P-8: EDI Documentation Evaluation

8.1 Description

The EDI Documentation Evaluation is an analysis of the BellSouth-provided documentation used by CLECs to interface and interact with the EDI interface for ordering and provisioning activities. This evaluation is intended to review the availability, accuracy and completeness of BellSouth's ordering and provisioning documentation using a variety of operational analysis techniques. This test will receive as input from the O&P-1: EDI Functional Test an exceptions report due to documentation which addresses whether system functionality matches that described in the business rules documentation.

8.2 Objective

The objective of EDI Documentation Evaluation is to assess whether the documentation provided by BellSouth adequately assists CLECs in understanding how to implement and use all of the EDI functions available to them.

8.3 Entrance Criteria

- EDI documentation obtained
- Documentation evaluation checklist completed
- Exception report due to documentation from O&P-1: EDI Functional Test obtained
- Team identified, trained, and staffed

8.4 Test Scope

The scope will address the following sub-processes and functions to evaluate EDI documentation.

Test Objective: Documentation **Test Technique: Document Review and Interview**	
Sub-Process	***Function***
O&P Documentation	LEO Implementation Guides (Volumes 1-4)
	PC-EDI Training Document
	Carrier Notifications off the BellSouth website
	Resale CLEC Activation Requirements
	Local Number Portability Ordering Guide

Figure V-X: EDI Documentation Evaluation Test Scope

8.5 Test Activities

1. Obtain relevant documentation needed to carry out business processes related to O&P
2. Conduct documentation evaluation using documentation evaluation checklist
3. Conduct interviews with BellSouth documentation specialists
4. Conduct interviews with CLEC documentation users
5. Log exceptions noted during Build and Certification Testing
6. Compile results
7. Report any Severity 1 and 2 test exceptions
8. Report Severity 3

8.6 Exit Criteria

- Documentation checklists completed
- Interview summaries completed
- Exceptions log completed
- Summary evaluation report completed
- Results summary and reports delivered to KPMG

9.0 O&P-9: TAG Documentation Evaluation

9.1 Description

The TAG Documentation Evaluation is an analysis of the BellSouth-provided documentation used by CLECs to interface and interact with the TAG interface for ordering and provisioning activities. This evaluation is intended to review the availability, accuracy and completeness of BellSouth's ordering and provisioning documentation using a variety of operational analysis techniques. This test will receive as input from the O&P-2: TAG Functional Test an exceptions report due to documentation which addresses whether system functionality matches that described in the business rules documentation.

9.2 Objective

The objective of TAG Documentation Evaluation is to assess whether the documentation provided by BellSouth adequately assists CLECs in understanding how to implement and use all of the TAG functions available to them.

9.3 Entrance Criteria

- TAG documentation obtained
- Documentation evaluation checklist completed
- Exceptions report due to documentation from O&P-2 TAG Functional Test obtained
- Team identified, trained and staffed

9.4 Test Scope

The scope will address the following sub-processes and functions to evaluate TAG documentation.

Test Objective: Documentation **Test Technique: Document Review and Interview**

Sub-Process	***Function***
O&P Documentation	LEO Implementation Guides (Volumes 1-4)
	TAG API Programmers Guide
	Carrier Notifications off the BellSouth website
	Resale CLEC Activation Requirements
	Local Number Portability Ordering Guide

Figure V-XI: TAG Documentation Evaluation Test Scope

9.5 Test Activities

1. Obtain relevant documentation needed to carry out business processes related to O&P
2. Conduct documentation evaluation using documentation evaluation checklist
3. Conduct interviews with BellSouth documentation specialists
4. Conduct interviews with CLEC documentation users
5. Log exceptions noted during Build and Certification Testing
6. Compile results
7. Report any Severity 1, 2, and 3 test exceptions

9.6 Exit Criteria

- Documentation checklists completed
- Interview summaries completed
- Exceptions log completed
- Summary evaluation report complete
- Results summary and reports delivered to KPMG

VI

VI. Billing Test Section

A. Overview

The purpose of this section is to define the billing tests needed to prove nondiscriminatory access to BellSouth's OSS in order to comply with the Georgia Order and the Act.

B. Scope

The billing test scope is defined by the following test dimensions: interface, test objective, product category and test technique. The test cycles are based upon those combinations of test dimensions that are required within the scope of the Georgia Order.

Test Cycles	***Test Dimensions***			
	Interface	***Primary Test Objective***	***Product Category***	***Test Technique***
BLG-1: CRIS/CABS Invoicing Functional Test	CRIS CABS	Functionality	UNE	Transaction Processing
BLG-2: ODUF/ADUF Usage Functional Test	ODUF ADUF	Functionality	UNE	Transaction Processing
BLG-3: Billing Usage Returns Evaluation	ODUF ADUF	Functionality	UNE Resale	Inspection Interview Observation
BLG-4: CRIS/CABS Invoicing Scalability Evaluation	CRIS CABS	Volume & Scalability	UNE	Inspection Interview
BLG-5: ODUF/ADUF Usage Scalability Evaluation	ODUF ADUF	Volume & Scalability	UNEResale	Inspection Interview
BLG-6: Billing Performance Results Comparison	CRIS CABS ODUF ADUF	Performance	UNE Resale	Performance Comparison
BLG-7: CRIS/CABS Invoicing Documentation Evaluation	CRIS CABS	Documentation	UNE	Document Review
BLG-8: ODUF/ADUF Documentation Evaluation	ODUF ADUF	Documentation	UNE Resale	Document Review

Figure VI-I: Billing Test Cycles

Note: When an interface type or product category is not specified in the test cycle title, it is assumed that all types are incorporated into that particular test cycle.

C. Test Cycles

1.0 BLG-1: CRIS/CABS Invoicing Functional Test

1.1 Description

The CRIS/CABS Invoicing Functional Test will evaluate the functional elements of the carrier invoicing process for UNEs as delivered to CLECs by the CRIS/CABS interface. This test cycle will be executed by placing test calls on those UNE scenarios selected for provisioning as part of the EDI/TAG functional tests (O&P-1 and O&P-2). The calls made on the provisioned lines will generate a detailed invoice. The functional elements of UNE invoicing that will be specifically targeted by this test include usage and measured rate billing, recurring and non-recurring charges, pro-ration of charges, the recording of account configuration changes, adjustments, and the accuracy of invoice line item details delivered by both the CABS/CRIS systems.

The invoicing test cycle will require BellSouth to establish an initial test bed of billed accounts for two OCNs prior to the execution of the O&P functional tests in order to generate a baseline set of invoices. By generating provisioned orders with different OCNs, the Test will be able to generate calls between OCNs, thereby creating additional scope coverage for the overall Test, which will be verifiable within BLG: 7. Given the long lead times associated with this test, execution will be limited to two billing cycles following the baseline run. This duration should be adequate to drive the applicable test cases through the front-end systems and assess the accuracy and consistency of BellSouth's OSS functionality. BLG-2 will be executed simultaneously to ensure an accurate comparison between the daily usage feeds and the carrier invoices. BellSouth advises CLECs that daily usage files should not be used to calculate invoices for CLECs.

The Test will coordinate efforts with BellSouth to ensure that BellSouth's performance measurements system is prepared to track CLECs test transaction performance prior to beginning the Test. Performance data will be collected through test management tools and delivered to the Billing Performance Results Comparison Test (BLG-8) as input to the test execution function report.

The test scenarios associated with the CRIS/CABS Invoicing functional test may be found in Appendix B-4: Billing Test Scenarios.

1.2 Objective

The objective of the CRIS/CABS Invoicing Functional Test is to validate the completeness and accuracy of the CRIS/CABS carrier billing and invoicing process in accordance with BellSouth's published specifications.

1.3 Entrance Criteria

- Global entrance criteria satisfied
- Detailed Billing guidelines obtained from BellSouth
- Test scenarios and cases provisioned
- Test bed data bases loaded including all required previously provisioned accounts in the CRIS/CABS and other related systems for Billing
- Test Case execution scheduled
- Detailed test cycle checklist created
- Exception reporting process defined
- Test logs created and results reporting template completed
- Test execution team identified, trained and scheduled
- Billing scenarios in O&P-1 and O&P-2 completed

1.4 Test Cycle Scope

The scope will address the following sub-processes and functions to evaluate CRIS/CABS functionality.

Objective: Functionality **Test Technique: Transaction Processing**

Sub Process	***Function***
Collect Payment	Receive payment
	Track payment
	Handle mismatches
Adjustment	Enter adjustments
	Track adjustments
Maintain Bill Balance	Carry balance forward
Run Billing	Define billing schedule
	Define restart and recovery rules
	Initiate the bill cycle
	Select billing accounts
Review Bills	Verify normal recurring charges
	Verify one-time charges
	Verify prorated recurring charges
	Verify usage charges
	Verify discounts
	Verify adjustments (debits and credits)
	Verify late charges

Sub Process	*Function*
	Convert to BDT format
Balance Cycle	Define balancing and reconciliation procedures
	Produce control reports
	Release cycle
Deliver Bill	Conduct connect direct
	Create magnetic tape cartridge
Maintain Bill history	Maintain billing information
	Access billing information
Request resend	

Figure VI-II: CRIS/CABS Invoicing Functional Test Scope

1.5 Test Activities

1. Review BellSouth Billing documentation
2. Using test cases derived from the test scenarios found in Appendix A, perform each function listed in the test scope
3. Assess accuracy of each system function as documented
4. Capture results
5. Compare actual results with the expected results
6. Report any Severity Level 1, 2, and 3 test exceptions

1.6 Exit Criteria

- Test activities completed
- Change control completed
- Verification completed
- Data captured by testing tool and stored in Data Capture Database
- Expected results versus actual test case results reported
- Confirmation steps completed
- Test report generated
- Call logs completed

2.0 BLG-2: ODUF/ADUF Usage Functional Test

The Daily Usage File Test will evaluate the functional elements of daily message/usage processing for UNE ports as delivered to CLECs by the ADUF/ODUF interfaces. This test cycle will be executed by placing test calls on those UNE scenarios selected for provisioning as part of the EDI/TAG functional tests (O&P-1 and O&P-2). The functional elements of daily message/usage processing for UNE ports that will be

specifically targeted by this test include the completeness and accuracy of the call details across a variety of incoming and outgoing call types, changes in account disposition/configuration, and CO switch types.

The message/usage processing test cycle will require BellSouth to establish an initial test bed of billed accounts prior to the execution of the O&P functional tests in order to generate BellSouth retail customer usage. This test will take place across two billing cycles in order to capture daily usage events that can be compared to the carrier invoices delivered via the CRIS/CABS interfaces.

The Test will coordinate efforts with BellSouth to ensure that BellSouth's performance measurements system is prepared to track test transaction performance prior to beginning the Test. Test cycle performance data will be collected and delivered to the Billing Performance Results Comparison Test (BLG-8) and the CRIS/CABS Invoicing Functional Test as input to the test execution function.

The test scenarios associated with the daily usage file functional test may be found in Appendix B-4: Billing Test Scenarios.

2.2 Objective

The objective of the ODUF/ADUF Usage functional test is to assess the accuracy and completeness of the daily usage file message processing capability as described in BellSouth's published specifications.

2.3 Entrance Criteria

- Global entrance criteria satisfied
- Detailed Billing guidelines obtained from BellSouth
- Test scenarios and cases provisioned
- Test bed databases loaded including all required previously provisioned accounts in CRIS/CABS and other related systems for Billing
- Test Case execution scheduled
- Detailed test cycle checklist created
- Exception reporting process defined
- Test logs created and results reporting template completed
- Test execution team identified, trained and scheduled
- Completion of billing scenarios in O&P-1 and O&P-2

2.4 Test Cycle Scope

Objective: Functionality **Test Technique: Transaction Processing**

Sub-Process	*Function*
Receipt of usage by BellSouth	Receive switch records at data center
Daily Usage Feed	Create usage feed
	Define balancing and reconciliation procedures
	Route usage
Deliver usage to CLECs	Send direct connect
	Send cartridge tape
	Acknowledge arrival
Maintain usage history	Create usage backup
	Request backup data
Status tracking and reporting	Track valid usage
	Account for no usage
	Account for missing usage (gaps)

Figure VI-IV: ODUF/ADUF Usage Functional Test

2.5 Test Activities

1. Review BellSouth billing documentation
2. Using test cases derived from the test scenarios found in Appendix A, perform each function listed in the test scope
3. Verify that each system function behaves as documented
4. Capture results in integrated management tool
5. Compare actual results with the expected results
6. Report any Severity Level 1, 2, and 3 test exceptions

2.6 Exit Criteria

- Test activities complete
- Change control complete
- Verification completed
- Testing Tool will capture data and store it in Data Capture Database
- Expected results versus actual test case results reported
- Confirmation steps complete
- Test Report generated

3.0 BLG-3: Billing Usage Returns Evaluation

3.1 Description

The billing usage returns evaluation is an analysis of the procedures and related documentation used by BellSouth to process usage disputes. Returning usage refers to an action taken by a CLECs when usage records received are in dispute.

When a CLECs believes usage items contain errors, it may initiate a usage claim. ILECs are obligated to resolve the claim by correcting the usage, issuing an adjustment, or rejecting the claim.

3.2 Objective

The objective of the billing usage returns evaluation is to evaluate the process by which usage returns are processed and to test the BellSouth processing of test usage returns.

3.3 Entrance Criteria

- Global entrance criteria satisfied
- Detailed billing guidelines recieved from BellSouth
- Test execution team identified, trained and scheduled
- BLG-1: CRIS/CABS Invoicing Functional Test completed
- BLG-2: ODUF/ADUF Invoicing Functional Test completed

3.4 Test Cycle Scope

The scope will address the following sub-processes and functions to evaluate billing usage returns.

Objective: Functionality **Test Technique: Inspection and Interview**

Sub-Process	***Function***
Usage Return Process - Usage dispute	BellSouth receives usage record in dispute
	BellSouth sends corrections when necessary
	BellSouth provides item status for all returned records

Sub-Process	*Function*
Usage Return Process - Charge dispute	BellSouth receives usage record in dispute
	BellSouth sends corrections when necessary
	BellSouth provides item status for all returned records

Figure VI-V: Billing Usage Returns Evaluation

3.5 Test Activities

1. Conduct interviews for usage returns process analysis
2. Execute retrieval of ADUF/ODUF from BellSouth.
3. Review usage reports and identify errors to return to BellSouth
4. Send returns notification to BellSouth according to required notification procedure
5. Request status of usage returns from BellSouth
6. Review corrections made by BellSouth:
    - Creation of Cancel Unrated Message Record
    - Creation of Corrected Unrated Message Record
    - Creation of Cancel Billable Message Record
    - Creation of Corrected Billable Message Record
7. Escalate returns claim through proper channel and review BellSouth processing
8. Review BellSouth reject process
9. Report any Severity Level 1, 2, and 3 test exceptions

3.6 Exit Criteria

- Interviews summarized
- Summary findings and conclusions Test activities completed
- Change control completed
- All evaluations completed
- Outputs documented, reviewed and approved
- Results summary and formatted data delivered to KPMG

4.0 BLG-4: CRIS/CABS Invoicing Scalability Test

4.1 Description

The CRIS/CABS Invoicing Scalability Test is a review of the technical architecture and direct maintenance and support processes for the CRIS/CABS applications. The technical review will focus on the modularity of the technology architecture, data architecture, and application architecture to assess scalability. The operational review will focus on the work capacity of existing support resources and the number of resources required to maintain the future CRIS/CABS technology architecture.

4.2 Objective

The objective of the CRIS/CABS Invoicing Scalability Evaluation is to determine the degree to which the CRIS/CABS applications and associated billing workforce can scale to accommodate projected YE01 transaction volumes.

4.3 Entrance Criteria

- Global entrance criteria satisfied
- Detailed billing guidelines received from BellSouth
- Test execution team identified, trained and scheduled
- Billing scenarios in O&P-1 and O&P-2 completed

4.4 Test Cycle Scope

The scope will address the following sub-processes and functions to evaluate CRIS/CABS scalability.

Objective: Volume & Scalability **Test Technique: Inspection and Interview**	
Sub-Process	***Function***
CRIS/CABS Scalability	Evaluate event collection
	Evaluate manual processes
	Evaluate systems
Manage Capacity Planning	Identify capacity planning procedures
	Evaluate capacity planning procedures
	Review staffing plans

Figure IX-VI: CRIS/CABS Invoicing Scalability Test

4.5 Test Activities

1. Identify all system documentation available for review
2. Conduct structured review of documentation
3. Conduct interviews with key development and support personnel
4. Document findings
5. Report Severity Level 1, 2, and 3 test exceptions

4.6 Exit Criteria

- Scalability evaluation matrix completed
- Interview summarized
- Summary findings and conclusions Test activities completed
- Change control completed
- All evaluations completed
- Outputs documented, reviewed and approved
- Results summary and formatted data delivered to KPMG

5.0 BLG-5: ODUF/ADUF Daily Usage Scalability Evaluation

5.1 Description

The ODUF/ADUF Daily Usage Scalability Test is a review of the technical architecture and direct maintenance and support processes for the ODUF/ADUF reporting applications. The technical review will focus on the modularity of the technology architecture, data architecture, and application architecture to assess scalability. The operational review will focus on the work capacity of existing support resources and the number of resources required to maintain the future ODUF/ADUF reporting technology architecture.

5.2 Objective

The objective of the ODUF/ADUF Daily Usage Scalability Evaluation is to determine the degree to which the ODUF/ADUF reporting applications and associated billing workforce can scale to accommodate projected YE01transaction volumes.

5.3 Entrance Criteria

- Global entrance criteria satisfied
- Detailed billing guidelines received from BellSouth
- Test execution team identified, trained and scheduled
- Billing scenarios in O&P-1 and O&P-2 completed